

GenCore version 5.1.6  
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protein - protein search, using sw model

on: June 16, 2004, 19:55:07 ; Search time 22 Seconds  
(without alignments)  
1004.360 Million cell updates/sec

le: US-09-905-743b-6  
fect score: 2250  
quence: 1 MATSWGTFFMLVSVCSA.....ETGALGATFHLQLGISH 428

ring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

arched: 389414 seqs, 51625971 residues

al number of hits satisfying chosen parameters: 389414

imum DB seq length: 0  
imum DB seq length: 2000000000

it-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

- abase :
- 1: /cgn2\_6/ptodata/2/iaa/5A\_COMB.pep.\*
  - 2: /cgn2\_6/ptodata/2/iaa/5B\_COMB.pep.\*
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  - 4: /cgn2\_6/ptodata/2/iaa/6B\_COMB.pep.\*
  - 5: /cgn2\_6/ptodata/2/iaa/PTCTUS\_COMB.pep.\*
  - 6: /cgn2\_6/ptodata/2/iaa/backfiles1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

sult No.	Query	Score	Match	Length	DB	ID	Description
1	2250	100.0	428	4	US-09-608-285A-3		Sequence 3, Appli
2	2250	100.0	428	4	US-09-608-285A-5		Sequence 5, Appli
3	2250	100.0	428	4	US-09-240-639-6		Sequence 6, Appli
4	2250	100.0	428	4	US-09-240-639-9		Sequence 9, Appli
5	2250	100.0	428	4	US-09-350-836B-3		Sequence 3, Appli
6	2250	100.0	428	4	US-09-350-836B-5		Sequence 5, Appli
7	2250	100.0	428	4	US-09-370-265-3		Sequence 3, Appli
8	2250	100.0	428	4	US-09-370-265-5		Sequence 5, Appli
9	2250	100.0	428	4	US-09-557-800C-3		Sequence 3, Appli
10	2250	100.0	428	4	US-09-557-800C-5		Sequence 5, Appli
11	2250	100.0	428	4	US-09-370-625A-3		Sequence 3, Appli
12	2250	100.0	428	4	US-09-370-625A-5		Sequence 5, Appli
13	2235	99.3	428	4	US-09-608-285A-7		Sequence 7, Appli
14	2235	99.3	428	4	US-09-350-836B-7		Sequence 7, Appli
15	2235	99.3	428	4	US-09-370-265-7		Sequence 7, Appli
16	2235	99.3	428	4	US-09-557-800C-7		Sequence 7, Appli
17	2235	99.3	428	4	US-09-370-625A-7		Sequence 7, Appli
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19	2104	93.5	405	4	US-09-370-265-25		Sequence 25, Appli
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22	1837.5	81.7	465	4	US-09-557-800C-56		Sequence 56, Appli
23	1837.5	81.7	465	4	US-09-370-625A-39		Sequence 39, Appli
24	1832.5	81.4	465	4	US-09-240-639-8		Sequence 8, Appli
25	999	44.4	456	4	US-09-240-639-2		Sequence 2, Appli
26	999	44.4	484	4	US-09-608-285A-27		Sequence 27, Appli
27	999	44.4	484	4	US-09-370-265-27		Sequence 27, Appli

ALIGNMENTS

RESULT 1

US-09-608-285A-3  
; Sequence 3, Application US/09608285A  
; Patent No. 6335013  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Mulero, Julio  
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
; TITLE OF INVENTION: POLYPEPTIDES  
; FILE REFERENCE: 28110/36570  
; CURRENT APPLICATION NUMBER: US/09/608,285A  
; CURRENT FILING DATE: 2000-06-30  
; PRIOR APPLICATION NUMBER: 09/583,231  
; PRIOR FILING DATE: 2000-05-26  
; PRIOR APPLICATION NUMBER: 09/557,800  
; PRIOR FILING DATE: 2000-04-25  
; PRIOR APPLICATION NUMBER: 09/481,238  
; PRIOR FILING DATE: 2000-01-11  
; PRIOR APPLICATION NUMBER: 09/370,265  
; PRIOR FILING DATE: 1999-08-09  
; PRIOR APPLICATION NUMBER: PCT/US99/16180  
; PRIOR FILING DATE: 1999-07-16  
; PRIOR APPLICATION NUMBER: 09/350,836  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/273,447  
; PRIOR FILING DATE: 1999-03-19  
; PRIOR APPLICATION NUMBER: 09/244,444  
; PRIOR FILING DATE: 1999-02-04  
; PRIOR APPLICATION NUMBER: 09/122,449  
; PRIOR FILING DATE: 1998-07-24  
; PRIOR APPLICATION NUMBER: 09/118,205  
; PRIOR FILING DATE: 1998-07-16  
; NUMBER OF SEQ ID NOS: 60  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 428  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-608-285A-3

Query Match 100.0%; Score 2250; DB 4; Length 428;  
Best local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 MATSWGTFFMLVSVCSA...ETGALGATFHLQLGISH 428  
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421 LQSLGISH 428  
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RESULT 2  
S-09-608-285A-5  
Sequence 5, Application US/09608285A  
Patent No. 6335013  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
FILE OF INVENTION: POLYPEPTIDES  
FILE REFERENCE: 28110/36570  
CURRENT APPLICATION NUMBER: US/09/608,285A  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 09/583,231  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 60  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
S-09-608-285A-5

Query Match 100.0%; Score 2250; DB 4; Length 428;  
Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 361 EVCNLENFTSGSPFLCNDLSYITALLKDGFGPADSTVLQTKKVNNIETGALGATPHL 420  
QY 421 LQSLGISH 428  
DB 421 LQSLGISH 428

RESULT 3  
US-09-240-639-6  
Sequence 6, Application US/09240639  
Patent No. 6350447  
GENERAL INFORMATION:  
APPLICANT: Chadwick, Brian Paul  
APPLICANT: Frischauf, Anna-Maria  
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE  
FILE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS  
FILE REFERENCE: 9598-066  
CURRENT APPLICATION NUMBER: US/09/240,639  
CURRENT FILING DATE: 1998-01-29  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-240-639-6  
Query Match 100.0%; Score 2250; DB 4; Length 428;  
Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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DB 181 NFLTQGLHGHROETVGTLDLGGASTQITFLPOFEKTLBQTPRGYLTSPMFNSTYKLYTH 240

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-09-240-639-9  
Sequence 9, Application US/09240639  
Patent No. 6350447  
GENERAL INFORMATION:  
APPLICANT: Chadwick, Brian Paul  
APPLICANT: Frischau, Anna-Maria  
TITLE OF INVENTION: METHODS AND COMPOSITIONS RELATING TO CD39-LIKE  
TITLE OF INVENTION: POLYPEPTIDES AND NUCLEIC ACIDS  
FILE REFERENCE: 9598-065  
CURRENT APPLICATION NUMBER: US/09/240,639  
CURRENT FILING DATE: 1998-01-29  
NUMBER OF SEQ ID NOS: 29  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 9  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
-09-240-639-9

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Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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421 LQSLGISH 428  
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421 LQSLGISH 428  
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RESULT 5  
US-09-350-836B-3  
Sequence 3, Application US/09350836B  
Patent No. 6387645  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
TITLE OF INVENTION: POLYPEPTIDES  
FILE REFERENCE: 28110/35761  
CURRENT APPLICATION NUMBER: US/09/350,836B  
CURRENT FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-350-836B-3

Query Match 100.0%; Score 2250; DB 4; Length 428;  
Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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361 EVCNLENFTSGSPFLCMLDLSYITALLKDGFGFADSTVLQLTCKVNNIETGALGATFHL 420  
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421 LQSLGISH 428  
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421 LQSLGISH 428  
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RESULT 6  
US-09-350-836B-5  
Sequence 5, Application US/09350836B  
Patent No. 6387645  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES

FILE REFERENCE: 28110/35761

CURRENT APPLICATION NUMBER: US/09/350,836B

PRIOR FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: 09/273,447

PRIOR FILING DATE: 1999-03-19

PRIOR APPLICATION NUMBER: 09/118,205

PRIOR FILING DATE: 1998-07-16

PRIOR APPLICATION NUMBER: 09/122,449

PRIOR FILING DATE: 1998-07-24

PRIOR APPLICATION NUMBER: 09/244,444

PRIOR FILING DATE: 1999-02-04

NUMBER OF SEQ ID NOS: 23

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

S-09-350-836B-5

Query Match 100.0%; Score 2250; DB 4; Length 428;  
Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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b 1 MATSWGTFFMLVWSCVCSAVSHRNQOTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60

Y 61 RHVYTFVQKMPGQLPILGEVDSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120
b 61 RHVYTFVQKMPGQLPILGEVDSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120

Y 121 KKTVPVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180
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Y 241 SYLGFGLKAARLALATLGALETGDTGHTFRSACLPRWLEAEWIFGGVKYQYGNQGEVGF 300
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Y 361 EVCNLENFTSGSPFLCMLDSYITALLKXGFGFADSTVLQLTCKVNNIETGALGATPHL 420
b 361 EVCNLENFTSGSPFLCMLDSYITALLKXGFGFADSTVLQLTCKVNNIETGALGATPHL 420

Y 421 LQSLGISH 428
b 421 LQSLGISH 428

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# RESULT 7

S-09-370-265-3

Sequence 3, Application US/09370265

Patent No. 6447771

GENERAL INFORMATION:

APPLICANT: Ford, John

APPLICANT: Mulero, Julio

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES

FILE REFERENCE: 28111/35908

CURRENT APPLICATION NUMBER: US/09/370,265

PRIOR FILING DATE: 1999-08-09

PRIOR APPLICATION NUMBER: PCT/US99/16180

PRIOR FILING DATE: 1999-07-16

PRIOR APPLICATION NUMBER: 09/350,836

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 5

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

S-09-370-265-5

; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/118,205  
 ; EARLIER FILING DATE: 1998-07-16  
 ; EARLIER APPLICATION NUMBER: 09/122,449  
 ; EARLIER FILING DATE: 1998-07-24  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
 ; EARLIER FILING DATE: 1999-02-04  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444  
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 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-08-09  
 ; EARLIER APPLICATION NUMBER: PCT/US99/16180  
 ; EARLIER FILING DATE: 1999-07-16  
 ; EARLIER APPLICATION NUMBER: 09/350,836  
 ; EARLIER FILING DATE: 1999-07-09  
 ; EARLIER APPLICATION NUMBER: 09/273,447  
 ; EARLIER FILING DATE: 1999-03-19  
 ; EARLIER APPLICATION NUMBER: 09/244,444

Query Match 100.0%; Score 2250; DB 4; Length 428;  
 Best Local Similarity 100.0%; Pred. No. 6.4e-248;  
 Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 MATSWGTFFMLVWSCVCSAVSHRNQOTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60
DB 1 MATSWGTFFMLVWSCVCSAVSHRNQOTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60

QY 61 RHVYTFVQKMPGQLPILGEVDSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120
DB 61 RHVYTFVQKMPGQLPILGEVDSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120

QY 121 KKTVPVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180
DB 121 KKTVPVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180

QY 181 NFLTGQLHGRQETVGTLDLGASTQITFLPQFEKTLQTPRGYLTSPFMFNSTYKLYTH 240
DB 181 NFLTGQLHGRQETVGTLDLGASTQITFLPQFEKTLQTPRGYLTSPFMFNSTYKLYTH 240

QY 241 SYLGFGLKAARLALATLGALETGDTGHTFRSACLPRWLEAEWIFGGVKYQYGNQGEVGF 300
DB 241 SYLGFGLKAARLALATLGALETGDTGHTFRSACLPRWLEAEWIFGGVKYQYGNQGEVGF 300

QY 301 EPCYAEVLAVRQKLPQEVQVQSGFYAFSYYYDRAVDTMDIDYKGGILKVEDFERKAR 360
DB 301 EPCYAEVLAVRQKLPQEVQVQSGFYAFSYYYDRAVDTMDIDYKGGILKVEDFERKAR 360

QY 361 EVCNLENFTSGSPFLCMLDSYITALLKXGFGFADSTVLQLTCKVNNIETGALGATPHL 420
DB 361 EVCNLENFTSGSPFLCMLDSYITALLKXGFGFADSTVLQLTCKVNNIETGALGATPHL 420

QY 421 LQSLGISH 428
DB 421 LQSLGISH 428

```

# RESULT 8

S-09-370-265-5

Sequence 5, Application US/09370265

Patent No. 6447771

GENERAL INFORMATION:

APPLICANT: Ford, John

APPLICANT: Mulero, Julio

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE

TITLE OF INVENTION: POLYPEPTIDES

FILE REFERENCE: 28111/35908

CURRENT APPLICATION NUMBER: US/09/370,265

CURRENT FILING DATE: 1999-08-09

EARLIER APPLICATION NUMBER: PCT/US99/16180

EARLIER FILING DATE: 1999-07-16

EARLIER APPLICATION NUMBER: 09/350,836

EARLIER FILING DATE: 1999-07-09

EARLIER APPLICATION NUMBER: 09/273,447

EARLIER FILING DATE: 1999-03-19

EARLIER APPLICATION NUMBER: 09/244,444

EARLIER FILING DATE: 1999-02-04  
 EARLIER APPLICATION NUMBER: 09/122,449  
 EARLIER FILING DATE: 1998-07-24  
 EARLIER APPLICATION NUMBER: 09/244,444  
 EARLIER FILING DATE: 1999-02-04  
 EARLIER APPLICATION NUMBER: 09/118,205  
 EARLIER FILING DATE: 1998-07-16  
 NUMBER OF SEQ ID NOS: 37  
 SOFTWARE: Patentin Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 428  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 09-370-265-5

Query Match 100.0%; Score 2250; DB 4; Length 428;  
 Best Local Similarity 100.0%; Pred. No. 6.4e-248; Indels 0; Gaps 0;  
 Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MATSGTTFVFMVLVWSCVCSAVSHRNQQTWFBGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
 1 MATSGTTFVFMVLVWSCVCSAVSHRNQQTWFBGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
 61 RIHVYTFVQKMPGQLPILLEGVDSVKPGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120  
 61 RIHVYTFVQKMPGQLPILLEGVDSVKPGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120  
 121 KTPVVLKATAGLRLLPEHAKALLFEVKEIPRKSPFLVPKGSVINDGSDGILAWTV 180  
 121 KTPVVLKATAGLRLLPEHAKALLFEVKEIPRKSPFLVPKGSVINDGSDGILAWTV 180  
 181 NFLTQGLHGHRETGTDLGGASTQITFLPQFETLCTPRGYLTSEMFNSTYKLYTH 240  
 181 NFLTQGLHGHRETGTDLGGASTQITFLPQFETLCTPRGYLTSEMFNSTYKLYTH 240  
 241 SYLFGCLKAARLATIAGLETGCTDGTFTSACLPRWLEAWIPGKVYQYGNQGEVGF 300  
 241 SYLFGCLKAARLATIAGLETGCTDGTFTSACLPRWLEAWIPGKVYQYGNQGEVGF 300  
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 301 EPCYAEVLVVRGKQHPEEVORGSFYAFSYYIDRAVDTMDIDYKGIKVEDFERKAR 360  
 361 EVCNLENTSGSPFLCMLDSYITALLKDGFGFADSTVLQTKKVNNETGVALGATFHL 420  
 361 EVCNLENTSGSPFLCMLDSYITALLKDGFGFADSTVLQTKKVNNETGVALGATFHL 420  
 421 LQSLGISH 428  
 421 LQSLGISH 428

## ULT 9

09-557-800C-3  
 Sequence 3, Application US/09557800C  
 Patent No. 6476211  
 GENERAL INFORMATION:  
 APPLICANT: Ford, John  
 APPLICANT: Mulero, Julio  
 APPLICANT: Yeung, George  
 TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
 TITLE OF INVENTION: Polypeptides  
 FILE REFERENCE: 28110/36457  
 CURRENT FILING DATE: 2000-04-25  
 PRIOR APPLICATION NUMBER: US/09/557,800C  
 PRIOR FILING DATE: 2000-01-11  
 PRIOR APPLICATION NUMBER: 09/481,238  
 PRIOR FILING DATE: 2000-01-11  
 PRIOR APPLICATION NUMBER: 09/370,265  
 PRIOR FILING DATE: 1999-08-09  
 PRIOR APPLICATION NUMBER: PCT/US99/16180  
 PRIOR FILING DATE: 1999-07-16  
 PRIOR APPLICATION NUMBER: 09/350836  
 PRIOR FILING DATE: 1999-07-09  
 PRIOR APPLICATION NUMBER: 09/273447  
 PRIOR FILING DATE: 1999-03-19

1 MATSGTTFVFMVLVWSCVCSAVSHRNQQTWFBGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
 1 MATSGTTFVFMVLVWSCVCSAVSHRNQQTWFBGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
 61 RIHVYTFVQKMPGQLPILLEGVDSVKPGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120  
 61 RIHVYTFVQKMPGQLPILLEGVDSVKPGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120  
 121 KTPVVLKATAGLRLLPEHAKALLFEVKEIPRKSPFLVPKGSVINDGSDGILAWTV 180  
 121 KTPVVLKATAGLRLLPEHAKALLFEVKEIPRKSPFLVPKGSVINDGSDGILAWTV 180  
 181 NFLTQGLHGHRETGTDLGGASTQITFLPQFETLCTPRGYLTSEMFNSTYKLYTH 240  
 181 NFLTQGLHGHRETGTDLGGASTQITFLPQFETLCTPRGYLTSEMFNSTYKLYTH 240  
 241 SYLFGCLKAARLATIAGLETGCTDGTFTSACLPRWLEAWIPGKVYQYGNQGEVGF 300  
 241 SYLFGCLKAARLATIAGLETGCTDGTFTSACLPRWLEAWIPGKVYQYGNQGEVGF 300  
 301 EPCYAEVLVVRGKQHPEEVORGSFYAFSYYIDRAVDTMDIDYKGIKVEDFERKAR 360  
 301 EPCYAEVLVVRGKQHPEEVORGSFYAFSYYIDRAVDTMDIDYKGIKVEDFERKAR 360  
 361 EVCNLENTSGSPFLCMLDSYITALLKDGFGFADSTVLQTKKVNNETGVALGATFHL 420  
 361 EVCNLENTSGSPFLCMLDSYITALLKDGFGFADSTVLQTKKVNNETGVALGATFHL 420  
 421 LQSLGISH 428  
 421 LQSLGISH 428

## RESULT 10

US-09-557-800C-5  
 Sequence 5, Application US/09557800C  
 Patent No. 6476211  
 GENERAL INFORMATION:  
 APPLICANT: Ford, John  
 APPLICANT: Mulero, Julio  
 APPLICANT: Yeung, George  
 TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
 TITLE OF INVENTION: Polypeptides  
 FILE REFERENCE: 28110/36457  
 CURRENT FILING DATE: 2000-04-25  
 PRIOR APPLICATION NUMBER: US/09/557,800C  
 PRIOR FILING DATE: 2000-01-11  
 PRIOR APPLICATION NUMBER: 09/481,238  
 PRIOR FILING DATE: 2000-01-11  
 PRIOR APPLICATION NUMBER: 09/370,265  
 PRIOR FILING DATE: 1999-08-09  
 PRIOR APPLICATION NUMBER: PCT/US99/16180  
 PRIOR FILING DATE: 1999-07-16  
 PRIOR APPLICATION NUMBER: 09/350836  
 PRIOR FILING DATE: 1999-07-09  
 PRIOR APPLICATION NUMBER: 09/273447

PRIOR FILING DATE: 1999-03-19  
 PRIOR APPLICATION NUMBER: 09/122449  
 PRIOR FILING DATE: 1998-07-24  
 PRIOR APPLICATION NUMBER: 09/244444  
 PRIOR FILING DATE: 1999-02-04  
 PRIOR APPLICATION NUMBER: 09/118,205  
 PRIOR FILING DATE: 1998-07-16  
 NUMBER OF SEQ ID NOS: 56  
 SOFTWARE: Patentin Ver. 2.0  
 SEQ ID NO 5  
 LENGTH: 428  
 TYPE: PRT  
 ORGANISM: Homo sapiens  
 S-09-557-800C-5

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Query Match      100.0%; Score 2250; DB 4; Length 428;
Best Local Similarity 100.0%; Pred. No. 6.4e-248;
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 MATSWGTVFVFLVVVSCVSAVSHRQOOTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60
|||||
1 MATSWGTVFVFLVVVSCVSAVSHRQOOTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60
|||||

61 RIHVYTFVQMPGQLPILEGVFDVSKGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120
|||||
61 RIHVYTFVQMPGQLPILEGVFDVSKGLSAFVDPQKQGAETVQGLLEVAKDSIPRSHW 120
|||||

121 KKTVPVVKATAGLRLLPEHKAKALLPEVKEIRFKSPFLVPKGSVSIIMDGSDEGLIAWTV 180
|||||
121 KKTVPVVKATAGLRLLPEHKAKALLPEVKEIRFKSPFLVPKGSVSIIMDGSDEGLIAWTV 180
|||||

181 NFLTQGLHGHROETVGTLDLGGASTQITFLPQFKETLEQTPRGYLTSPFEMNSTYKLYTH 240
|||||
181 NFLTQGLHGHROETVGTLDLGGASTQITFLPQFKETLEQTPRGYLTSPFEMNSTYKLYTH 240
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241 SVLGFGLKAARLATIAGLETGTDGHTFRSACLPWLEAEWIFGVKVKYQGGNGEVEGVP 300
|||||
241 SVLGFGLKAARLATIAGLETGTDGHTFRSACLPWLEAEWIFGVKVKYQGGNGEVEGVP 300
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301 EPCYAEVLVRVRGKLEQPEVORGFSFYAFSYYYDRAVDTMDIYEKGGILKVBDFERRKAR 360
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361 EYCDNLNFTSGSPFLCNDLSYITALLKXGDFRADSTVQLTKKVNNIETGVALGATFHL 420
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361 EYCDNLNFTSGSPFLCNDLSYITALLKXGDFRADSTVQLTKKVNNIETGVALGATFHL 420
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421 LQSLGISH 428
|||||
421 LQSLGISH 428
|||||

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RESULT 11  
 3-09-370-625A-3  
 Sequence 3, Application US/09370625A  
 Patent No. 6600032  
 GENERAL INFORMATION:  
 APPLICANT: Ford, John  
 APPLICANT: Mulero, Julio  
 TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
 FILE REFERENCE: 28110/35908  
 CURRENT APPLICATION NUMBER: US/09/370,625A  
 CURRENT FILING DATE: 1999-08-09  
 PRIOR APPLICATION NUMBER: PCT/US99/16180  
 PRIOR FILING DATE: 1999-07-16  
 PRIOR APPLICATION NUMBER: 09/350,836  
 PRIOR FILING DATE: 1999-07-09  
 PRIOR APPLICATION NUMBER: 09/273,447  
 PRIOR FILING DATE: 1999-03-19  
 NUMBER OF SEQ ID NOS: 39  
 SOFTWARE: PatentIn Ver. 2.0  
 SEQ ID NO 3  
 LENGTH: 428

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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-370-625A-3

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Query Match      100.0%; Score 2250; DB 4; Length 428;
Best Local Similarity 100.0%; Pred. No. 6.4e-248;
Matches 428; Conservative 0; Mismatches 0; Indels 0
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QY	1	MATSGTVPFFMLVWSCVCSAVSHENQQTWPEGIFLSSMCPIINVASSTLYGIMFDAGSTGT	60
DB	1	MATSGTVPFFMLVWSCVCSAVSHENQQTWPEGIFLSSMCPIINVASSTLYGIMFDAGSTGT	60
QY	61	RHHVTVQKMPGQLPILEGRVFSVPGLSAFVDQPKQGAETVQGLLEKAKDISIRSHW	120
DB	61	RHHVTVQKMPGQLPILEGRVFSVPGLSAFVDQPKQGAETVQGLLEKAKDISIRSHW	120
QY	121	KTTPVVLKATAGLRLLPEHKAKALLFEVKSIIRKSPFLVPKGSVIMDSGDEGILAWTV	180
DB	121	KTTPVVLKATAGLRLLPEHKAKALLFEVKSIIRKSPFLVPKGSVIMDSGDEGILAWTV	180
QY	181	NPLTQGLGHRQETVGTLDLGASTQITPLPOPEKTLTQTPRGYLTSEFMFNSTYKLYTH	240
DB	181	NPLTQGLGHRQETVGTLDLGASTQITPLPOPEKTLTQTPRGYLTSEFMFNSTYKLYTH	240
QY	241	SVYLGFLKAARLATI GALETGTGHTFRACLPMLAEAWIFGGVKVQYQCGNQBEVGF	300
DB	241	SVYLGFLKAARLATI GALETGTGHTFRACLPMLAEAWIFGGVKVQYQCGNQBEVGF	300
QY	301	EPCYAEVLURVVRGKLHQEVEVQRGSFYAFYYVDRAVDTDMIDYKGGILKVBDPERKAR	360
DB	301	EPCYAEVLURVVRGKLHQEVEVQRGSFYAFYYVDRAVDTDMIDYKGGILKVBDPERKAR	360
QY	361	EVCVDNLENFTSGSPFLCNDLSYITALLKQGGFADSTVLQITKKVANNIFETGALGATEHL	420
DB	361	EVCVDNLENFTSGSPFLCNDLSYITALLKQGGFADSTVLQITKKVANNIFETGALGATEHL	420
QY	421	IQSLGISH	428
DB	421	IQSLGISH	428

RESULT 12  
US-09-370-625A-5  
; Sequence 5, Application US/09370625A  
; Patent No. 6600032  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Mulero, Julio  
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
; FILE REFERENCE: 28110/35908  
; CURRENT APPLICATION NUMBER: US/09/370,625A  
; CURRENT FILING DATE: 1999-08-09  
; PRIOR APPLICATION NUMBER: PCT/US99/16180  
; PRIOR FILING DATE: 1999-07-16  
; PRIOR APPLICATION NUMBER: 09/350,836  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/273,447  
; PRIOR FILING DATE: 1999-03-19  
; NUMBER OF SEQ ID NOS: 39  
; SOFTWARE: PatentIn Ver. 2.0

	Query Match	Best Local Similarity	Matches	Score	DB 4	Length	428;
Qy	100.0%;	100.0%;	428;	2250;	DB 4	Length	428;
Db	Conservative	0;	Mismatches	6.4e-248;			
	Indels	0;	Gaps	0;			
Qy	1	MATSWGTFVFMVLVSCSAVSHRNQOTWFEGLFSSMCP	INVSASTLYGIMFDAGSTGT	60			
Db	1	MATSWGTFVFMVLVSCSAVSHRNQOTWFEGLFSSMCP	INVSASTLYGIMFDAGSTGT	60			

61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
|||||  
61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
|||||  
121 KKTVPVLKATAGLRLLEHAKALLPEVKEIFPKSPFLVPKGSVIMDSGDEGILAWTV 180  
|||||  
121 KKTVPVLKATAGLRLLEHAKALLPEVKEIFPKSPFLVPKGSVIMDSGDEGILAWTV 180  
|||||  
181 NFLTQGLHGRQETVGTLDLGGASTQITFLPQPEKTEQTPRGYLSFEMFNSTYKLYTH 240  
|||||  
181 NFLTQGLHGRQETVGTLDLGGASTQITFLPQPEKTEQTPRGYLSFEMFNSTYKLYTH 240  
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241 SYLGFGLKAARLATLGALETGTGHTFRSACLPRMLEAEWIFGGVKYQYGGNQEVEGF 300  
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301 EPCVAEVLVRVGRKHLQHEEVQSGSFYAFSYYDDRAVDTMDIDYKGGILKVEDFERKAR 360  
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301 EPCVAEVLVRVGRKHLQHEEVQSGSFYAFSYYDDRAVDTMDIDYKGGILKVEDFERKAR 360  
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361 EVCNLENFTSGSPFLCMLSYITALLKDGFGADSTVLQLTCKVNNIETGWAIGATPHL 420  
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361 EVCNLENFTSGSPFLCMLSYITALLKDGFGADSTVLQLTCKVNNIETGWAIGATPHL 420  
|||||  
421 LQSLGISH 428  
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421 LQSLGISH 428  
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## SULT 13

-09-608-285A-7  
Sequence 7, Application US/09608285A  
Patent No. 6335013  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO CD39-LIKE  
TITLE OF INVENTION: POLYPEPTIDES  
FILE REFERENCE: 28110/36570  
CURRENT APPLICATION NUMBER: US/09/608,285A  
CURRENT FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 09/583,231  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 60  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
-09-608-285A-7

Query Match 99.3%; Score 2235; DB 4; Length 428;  
Best Local Similarity 99.3%; Pred. No. 3.3e-246;  
Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1 MATSWGTVFFMLVSVCSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
DB |||||  
1 MATSWGTVFFMLVSVCSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
QY 61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
DB |||||  
61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
QY 121 KKTVPVLKATAGLRLLEHAKALLPEVKEIFPKSPFLVPKGSVIMDSGDEGILAWTV 180  
DB |||||  
121 KKTVPVLKATAGLRLLEHAKALLPEVKEIFPKSPFLVPKGSVIMDSGDEGILAWTV 180  
QY 181 NFLTQGLHGRQETVGTLDLGGASTQITFLPQPEKTEQTPRGYLSFEMFNSTYKLYTH 240  
DB |||||  
181 NFLTQGLHGRQETVGTLDLGGASTQITFLPQPEKTEQTPRGYLSFEMFNSTYKLYTH 240  
QY 241 SYLGFGLKAARLATLGALETGTGHTFRSACLPRMLEAEWIFGGVKYQYGGNQEVEGF 300  
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QY 301 EPCVAEVLVRVGRKHLQHEEVQSGSFYAFSYYDDRAVDTMDIDYKGGILKVEDFERKAR 360  
DB |||||  
301 EPCVAEVLVRVGRKHLQHEEVQSGSFYAFSYYDDRAVDTMDIDYKGGILKVEDFERKAR 360  
QY 361 EVCNLENFTSGSPFLCMLSYITALLKDGFGADSTVLQLTCKVNNIETGWAIGATPHL 420  
DB |||||  
361 EVCNLENFTSGSPFLCMLSYITALLKDGFGADSTVLQLTCKVNNIETGWAIGATPHL 420  
QY 421 LQSLGISH 428  
DB |||||  
421 LQSLGISH 428  
|||||

## RESULT 14

US-09-350-836B-7  
Sequence 7, Application US/09350836B  
Patent No. 6387645  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
TITLE OF INVENTION: POLYPEPTIDES  
FILE REFERENCE: 28110/35761  
CURRENT APPLICATION NUMBER: US/09/350,836B  
CURRENT FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-350-836B-7

Query Match 99.3%; Score 2235; DB 4; Length 428;

Best Local Similarity 99.3%; Pred. No. 3.3e-246;  
Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 MATSWGTVFFMLVSVCSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
DB |||||  
1 MATSWGTVFFMLVSVCSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
QY 61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
DB |||||  
61 RIHYTTFVQMPGOLPILEGVDSVKPGLSAFVDQPKGAETVQGLLVAKDSIPRSHW 120  
DB |||||



61 RIHVTYFVKMPQQLPILGSEVFDVSKPGLSAFVDPKQCAETVQGLLEVAKDSIPRSHW 120  
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 121 KXTPVVLKATAGLRLLPKHAALLFEVKEIFPKSPFLVPKGSVIMDGSDEGILAWTV 180  
 181 NFLTQGLHGHROETVGTDLGGASTQITFLPQFEKTLQTPRGYLTSPFNFSTYKLYTH 240  
 181 NFLTQGLHGHROETVGTDLGGASTQITFLPQFEKTLQTPRGYLTSPFNFSTYKLYTH 240  
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 301 EPCYAEVLVRVKLHQPBEVQSGSYAFSYYYDRAVDMDIDYKGGILKVEDPERKAR 360  
 301 EPCYAEVLVRVKLHQPBEVQSGSYAFSYYYDRAVDMDIDYKGGILKVEDPERKAR 360  
 361 EVCDNLENFTSGSPFLCNDLSYITALLKDGFGFADSTVLQLTCKYNNIETGALGATPHL 420  
 361 EVCDNLENFTSGSPFLCNDLSYITALLKDGFGFADSTVLQLTCKYNNIETGALGATPHL 420  
 421 LQSLGISH 428  
 421 LQSLGISH 428

ESULT 15

S-09-370-265-7

Sequence 7, Application US/09370265

Patent No. 644771

GENERAL INFORMATION:

APPLICANT: Mulero, Julio

TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD19-LIKE

FILE REFERENCE: 28111/35908

CURRENT APPLICATION NUMBER: US/09/370,265

EARLIER FILING DATE: 1999-08-09

EARLIER APPLICATION NUMBER: PCT/US99/16180

EARLIER FILING DATE: 1999-07-16

EARLIER APPLICATION NUMBER: 09/350,836

EARLIER FILING DATE: 1999-07-09

EARLIER APPLICATION NUMBER: 09/273,447

EARLIER FILING DATE: 1999-03-19

EARLIER APPLICATION NUMBER: 09/244,444

EARLIER FILING DATE: 1999-02-04

EARLIER APPLICATION NUMBER: 09/122,449

EARLIER FILING DATE: 1998-07-24

EARLIER APPLICATION NUMBER: 09/118,205

NUMBER OF SEQ ID NOS: 37

SOFTWARE: Patent in Ver. 2.0

SEQ ID NO 7

LENGTH: 428

TYPE: PRT

ORGANISM: Homo sapiens

S-09-370-265-7

Query Match

Best Local Similarity 99.3%; Score 2235; DB 4; Length 428;

Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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 Qy 421 LQSLGISH 428  
 Db 421 LQSLGISH 428

Search completed: June 16, 2004, 20:00:51  
 Job time : 23 secs



GenCore version 5.1.6  
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protein - protein search, using sw model

on: June 16, 2004, 19:58:52 ; Search time 48 Seconds  
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2512.058 Million cell updates/sec

US-09-905-743b-6

Effect score: 2250  
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ring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

arched: 1158786 seqs, 281726120 residues

tal number of hits satisfying chosen parameters: 1158786

nimum DB seq length: 0

ximum DB seq length: 2000000000

st-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 1: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
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- 11: /cgn2\_6/ptodata/2/pubpaa/US09C\_PUBCOMB.pep.\*
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- 14: /cgn2\_6/ptodata/2/pubpaa/US10B\_PUBCOMB.pep.\*
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- 18: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

sult No.	Score	Query Match	Length	ID	Description
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2	2250	100.0	428	13	US-10-091-085-5
3	2250	100.0	428	13	US-10-092-063-3
4	2250	100.0	428	13	US-10-092-063-5
5	2250	100.0	428	13	US-10-092-063-5
6	2250	100.0	428	14	US-10-286-926-3
7	2250	100.0	428	15	US-10-286-926-5
8	2236	99.4	428	15	US-10-231-913-127
9	2235	99.3	428	13	US-10-408-765A-2296
10	2235	99.3	428	13	US-10-091-085-7
11	2235	99.3	428	13	US-10-092-063-7
12	2104	93.5	405	13	US-10-286-926-7
13	2104	93.5	405	13	US-10-092-063-25
14	1994.5	88.6	427	15	US-10-286-926-25
15	1837.5	81.7	465	13	US-10-231-913-126
					Sequence 39, Appl

16	1660	73.8	330	9	US-09-925-299-876	Sequence 876, App
17	1660	73.8	330	10	US-09-925-299-876	Sequence 876, App
18	999	44.4	484	13	US-10-092-063-27	Sequence 27, Appl
19	999	44.4	484	14	US-10-286-926-27	Sequence 27, Appl
20	999	44.4	484	15	US-10-231-913-123	Sequence 123, Appl
21	996	44.3	467	15	US-10-231-913-36	Sequence 36, Appl
22	993.5	44.2	379	15	US-10-231-913-271	Sequence 271, Appl
23	992	44.1	484	15	US-10-231-913-124	Sequence 124, App
24	989	44.0	446	15	US-10-231-913-38	Sequence 38, Appl
25	986	43.8	446	15	US-10-231-913-125	Sequence 125, App
26	616.5	27.4	479	15	US-10-369-493-6447	Sequence 6447, Ap
27	590	26.2	476	9	US-09-835-147-4	Sequence 4, Appli
28	538.5	23.9	556	15	US-10-369-493-2169	Sequence 2169, Ap
29	533	23.7	476	9	US-09-835-147-3	Sequence 3, Appli
30	507.5	22.6	459	9	US-09-129-112-9	Sequence 9, Appli
31	503.5	22.4	467	9	US-09-129-112-19	Sequence 19, Appl
32	503	22.4	410	15	US-10-231-913-272	Sequence 272, App
33	503	22.4	467	12	US-10-425-114-45875	Sequence 45875, A
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35	491.5	21.8	462	9	US-09-129-112-15	Sequence 15, Appl
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37	490	21.8	467	12	US-10-424-599-230158	Sequence 230158,
38	483.5	21.5	518	15	US-10-369-493-1713	Sequence 1713, Ap
39	474.5	21.1	443	12	US-10-425-114-49933	Sequence 49933, A
40	459.5	20.4	457	12	US-10-425-114-51762	Sequence 51762, A
41	459.5	20.4	459	12	US-10-424-599-145076	Sequence 145076,
42	445.5	19.8	465	12	US-10-425-114-37241	Sequence 37241, A
43	445.5	19.8	465	12	US-10-425-114-49932	Sequence 49932, A
44	435	19.3	455	14	US-10-259-165-286	Sequence 286, App
45	433.5	19.3	532	12	US-10-425-114-49930	Sequence 49930, A

## ALIGNMENTS

RESULT 1  
US-10-091-085-3  
; Sequence 3, Application US/10091085  
; Publication No. US20020146772A1  
; GENERAL INFORMATION:  
; APPLICANT: Ford, John  
; APPLICANT: Mulero, Julio  
; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
; TITLE OF INVENTION: POLYPEPTIDES  
; FILE REFERENCE: 28110/35761  
; CURRENT FILING DATE: 2002-03-05  
; PRIOR APPLICATION NUMBER: US/10/091,085  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/350,836  
; PRIOR FILING DATE: 1999-07-09  
; PRIOR APPLICATION NUMBER: 09/273,447  
; PRIOR FILING DATE: 1999-03-19  
; PRIOR APPLICATION NUMBER: 09/118,205  
; PRIOR FILING DATE: 1998-07-16  
; PRIOR APPLICATION NUMBER: 09/122,449  
; PRIOR FILING DATE: 1998-07-24  
; PRIOR APPLICATION NUMBER: 09/244,444  
; PRIOR FILING DATE: 1999-02-04  
; NUMBER OF SEQ ID NOS: 23  
; SOFTWARE: Patentin Ver. 2.0  
; SEQ ID NO 3  
; LENGTH: 428  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-091-085-3

Query Match 100.0%; Score 2250; DB 13; Length 428;  
Best Local Similarity 100.0%; Pred. No. 5.1e-215;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
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Db 1 MATSWGTFFMLVSCVCSAHSVHRCQQTWFEGIFLSSMCPINVSASTLYGINFDAGSTGT 60

[illegible]

## RESULT 2

S-10-091-085-5  
Sequence 5, Application US/18091085  
Publication No. US2002014672A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE  
TITLE OF INVENTION: POLYPEPTIDES  
FILE REFERENCE: 28110/35761  
CURRENT APPLICATION NUMBER: US/10/091,085  
CURRENT FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
NUMBER OF SEQ ID NOS: 23  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
S-10-091-085-5

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 US-10-092-063-3  
 ; Sequence 3, Application US/10092063  
 ; Publication No. US20020173005A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Ford, John  
 ; APPLICANT: Mulero, Julio  
 ; TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
 ; FILE REFERENCE: 28110/35908  
 ; CURRENT APPLICATION NUMBER: US/10/092,063  
 ; CURRENT FILING DATE: 2002-03-05  
 ; PRIOR APPLICATION NUMBER: 09/370,265  
 ; PRIOR FILING DATE: 2002-01-31  
 ; PRIOR APPLICATION NUMBER: PCT/US99/16180  
 ; PRIOR FILING DATE: 1999-07-16  
 ; PRIOR APPLICATION NUMBER: 09/350,836  
 ; PRIOR FILING DATE: 1999-07-09  
 ; PRIOR APPLICATION NUMBER: 09/273,447  
 ; PRIOR FILING DATE: 1999-03-19  
 ; PRIOR APPLICATION NUMBER: 09/244,444  
 ; PRIOR FILING DATE: 1999-02-04  
 ; PRIOR APPLICATION NUMBER: 09/122,449  
 ; PRIOR FILING DATE: 1998-07-24  
 ; PRIOR APPLICATION NUMBER: 09/118,205  
 ; PRIOR FILING DATE: 1998-07-16  
 ; NUMBER OF SEQ ID NOS: 39  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 428  
 ; TYPE: PRT  
 ; ORGANISM: Homo sapiens  
 US-10-092-063-3

Query Match	100.0%	Score 2250;	DB 13;	Length 428;
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BSULT 6  
S-10-286-926-5  
Sequence 5, Application US/10286926  
Publication No. US20030175752A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
APPLICANT: Yeung, George  
TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 28110/36457CON  
CURRENT APPLICATION NUMBER: US/10/286,926  
CURRENT FILING DATE: 2002-11-01  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/122449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
IS-10-286-926-5

Query Match 100.0%; Score 2250; DB 14; Length 428;  
Best Local Similarity 100.0%; Pred. No. 5.1e-215;  
Matches 428; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

2y 1 MATSGTGFEMLVVSCVSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
2b 1 MATSGTGFEMLVVSCVSAVSHRNQQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
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2b 61 RIHYTTFVQKNPGQLPILGEVDFSVKPGLSAFVDDPKQGAETVQGLLEVAKDISPRSHW 120  
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Db 121 KKTPTVVLKATAGLRLLPEHKAKALLFEVKEIFRKSPLVPKGSVSIIMDGSDEGILLAWTV 180  
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Db 181 NLTGQHLGHROETVGTDLGGASTQITFLPQFETKLTQTPRGYLTSEMFNSTYKLYTH 240  
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Db 361 EVCNLENFTSGSPFLCMLDSYITALLKDGFGFADSTVLQTKKNNIETGHALGATPHL 420  
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Db 421 LQSLGISH 428

RESULT 7  
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; Sequence 127, Application US/10231913  
; Publication No. US20040005576A1  
; GENERAL INFORMATION:  
; APPLICANT: Guo, Xiaojia S.  
; APPLICANT: Li, Li  
; APPLICANT: Patturajan, Meera  
; APPLICANT: Shimkets, Richard A.  
; APPLICANT: Casman, Stacie J.  
; APPLICANT: Malyankar, Uriel M.  
; APPLICANT: Tchernev, Velizar T.  
; APPLICANT: Vernet, Corine A.  
; APPLICANT: Spytek, Kimberly A.  
; APPLICANT: Shenoy, Suresh G.  
; APPLICANT: Alsobrook II, John P.  
; APPLICANT: Edinger, Schiomiit  
; APPLICANT: Peyman, John A.  
; APPLICANT: Stone, David J.  
; APPLICANT: Ellerman, Karen  
; APPLICANT: Gangolli, Esha A.  
; APPLICANT: Boldog, Ference L.  
; APPLICANT: Colman, Steven D.  
; APPLICANT: Padigaru, Muralidhara  
; APPLICANT: Spaderna, Steven K.  
; APPLICANT: Zerhusen, Bryan D.  
; TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
; FILE REFERENCE: 21402-216  
; CURRENT APPLICATION NUMBER: US/10/231,913  
; CURRENT FILING DATE: 2002-08-30  
; PRIOR APPLICATION NUMBER: 60/251,660  
; PRIOR FILING DATE: 2000-12-06  
; PRIOR APPLICATION NUMBER: 60/255,029  
; PRIOR FILING DATE: 2000-12-12  
; PRIOR APPLICATION NUMBER: 60/260,326  
; PRIOR FILING DATE: 2001-01-08  
; PRIOR APPLICATION NUMBER: 60/263,800  
; PRIOR FILING DATE: 2001-01-24  
; PRIOR APPLICATION NUMBER: 60/269,942  
; PRIOR FILING DATE: 2001-02-20  
; PRIOR APPLICATION NUMBER: 60/286,183  
; PRIOR FILING DATE: 2001-04-24  
; PRIOR APPLICATION NUMBER: 60/313,627  
; PRIOR FILING DATE: 2001-08-20  
; PRIOR APPLICATION NUMBER: 60/318,712  
; PRIOR FILING DATE: 2001-09-12  
; NUMBER OF SEQ ID NOS: 292  
; SOFTWARE: PatentIn Ver. 2.1



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421 LQSLGISH 428

RESULT 10  
S-10-092-063-7  
Sequence 7, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
CURRENT FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
S-10-092-063-7

Query Match 99.3%; Score 2235; DB 13; Length 428;  
Best Local Similarity 99.3%; Pred. No. 1.6e-213;  
Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
Y 1 MATSWGTFFVFLVWSCSAVSHRNQQTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
b 1 MATSWGTFFVFLVWSCSAVSHRNQQTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
Y 61 RIHYVTFVQMPQQLPILGEVFDVSKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 120  
b 61 RIHYVTFVQMPQQLPILGEVFDVSKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 120  
Y 121 KKTPTVVLKATAGLRLLEPEHAKALLFEVKBI FRKSPFLVPKGSVIMDSGDEGIFAWTV 180  
b 121 KKTPTVVLKATAGLRLLEPEHAKALLFEVKBI FRKSPFLVPKGSVIMDSGDEGIFAWTV 180

Db 121 KKTPTVVLKATAGLRLLEPEHAKALLFEVKBI FRKSPFLVPKGSVIMDSGDEGIFAWTV 180  
QY 181 NFLTQGLHGHROHTVGTGLDGGASTQITFLPQPEKTLQOTPRGYLTSFEMFNSTYKLYTH 240  
Db 181 NFLTQGLHGHROHTVGTGLDGGASTQITFLPQPEKTLQOTPRGYLTSFEMFNSTYKLYTH 240  
QY 241 SYLGFGGLKAARLATLGALETGTDGHTFRSACLPRWLEAEWIFGGVKYQYGGNQGEVGF 300  
Db 241 SYLGFGGLKAARLATLGALETGTDGHTFRSACLPRWLEAEWIFGGVKYQYGGNQGEVGF 300  
QY 301 EPCVAEVLVRVVRGKLHQPESVQSGSFVAFSYYYDRAVDTMDIDYKGGILKVEDFERKAR 360  
Db 301 EPCVAEVLVRVVRGKLHQPESVQSGSFVAFSYYYDRAVDTMDIDYKGGILKVEDFERKAR 360  
QY 361 EVCNLENFTSGSPFLCMLDSYITALLKDGFGPADSTVLQLTCKVNNIETGVALGATFEL 420  
Db 361 EVCNLENFTSGSPFLCMLDSYITALLKDGFGPADSTVLQLTCKVNNIETGVALGATFEL 420  
QY 421 LQSLGISH 428  
Db 421 LQSLGISH 428

RESULT 11  
US-10-286-926-7  
Sequence 7, Application US/10286926  
Publication No. US20030175752A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 28110/36457CON  
CURRENT APPLICATION NUMBER: US/10/286,926  
CURRENT FILING DATE: 2002-11-01  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/122449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 7  
LENGTH: 428  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-286-926-7

Query Match 99.3%; Score 2235; DB 14; Length 428;  
Best Local Similarity 99.3%; Pred. No. 1.6e-213;  
Matches 425; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
QY 1 MATSWGTFFVFLVWSCSAVSHRNQQTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
Db 1 MATSWGTFFVFLVWSCSAVSHRNQQTWFEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
QY 61 RIHYVTFVQMPQQLPILGEVFDVSKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 120  
Db 61 RIHYVTFVQMPQQLPILGEVFDVSKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 120

121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180  
121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180  
181 NFLTQGLHGHRETGTGTLGASTQITFLPOFEKTLBQTPRGYLTSEMFNSTYKLYTH 240  
181 NFLTQGLHGHRETGTGTLGASTQITFLPOFEKTLBQTPRGYLTSEMFNSTYKLYTH 240  
241 SYLGFGKKAARLALATLGALSTEGTGHTRFSAACLPWLEAEWIFGGVKYQYGNQGEVGF 300  
241 SYLGFGKKAARLALATLGALSTEGTGHTRFSAACLPWLEAEWIFGGVKYQYGNQGEVGF 300  
301 EPCYAEVLVRGKHLQHPBEVQSGFYAFSYTYDDRAVDTMDIDYKGGILKVEDPERKAR 360  
301 EPCYAEVLVRGKHLQHPBEVQSGFYAFSYTYDDRAVDTMDIDYKGGILKVEDPERKAR 360  
361 EVCNENLENTSGSPFLCMLDSYITALLKXGFGFADSTVLQ 400  
361 EVCNENLENTSGSPFLCMLDSYITALLKXGFGFADSTVLQ 400  
421 LQSLGISH 428  
421 LQSLGISH 428

RESULT 12  
US-10-092-063-25  
Sequence 25, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
CURRENT FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-092-063-25

Query Match 93.5%; Score 2104; DB 13; Length 405;  
Best Local Similarity 100.0%; Pred. No. 1.6e-200;  
Matches 400; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 MATSWGTVFFMLVVCVCSAVSHRNQQTWTEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
1 MATSWGTVFFMLVVCVCSAVSHRNQQTWTEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
61 RIHYVTVQXMPGQLPILGEVFTSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120  
61 RIHYVTVQXMPGQLPILGEVFTSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120  
121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180

Db 121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180  
QY 181 NFLTQGLHGHRETGTGTLGASTQITFLPOFEKTLBQTPRGYLTSEMFNSTYKLYTH 240  
Db 181 NFLTQGLHGHRETGTGTLGASTQITFLPOFEKTLBQTPRGYLTSEMFNSTYKLYTH 240  
QY 241 SYLGFGKKAARLALATLGALSTEGTGHTRFSAACLPWLEAEWIFGGVKYQYGNQGEVGF 300  
Db 241 SYLGFGKKAARLALATLGALSTEGTGHTRFSAACLPWLEAEWIFGGVKYQYGNQGEVGF 300  
QY 301 EPCYAEVLVRGKHLQHPBEVQSGFYAFSYTYDDRAVDTMDIDYKGGILKVEDPERKAR 360  
Db 301 EPCYAEVLVRGKHLQHPBEVQSGFYAFSYTYDDRAVDTMDIDYKGGILKVEDPERKAR 360  
QY 361 EVCNENLENTSGSPFLCMLDSYITALLKXGFGFADSTVLQ 400  
Db 361 EVCNENLENTSGSPFLCMLDSYITALLKXGFGFADSTVLQ 400

RESULT 13  
US-10-286-926-25  
Sequence 25, Application US/10286926  
Publication No. US20030175752A1  
GENERAL INFORMATION:  
APPLICANT: Ford, John  
APPLICANT: Mulero, Julio  
TITLE OF INVENTION: Methods and Materials Relating to CD39-Like  
TITLE OF INVENTION: Polypeptides  
FILE REFERENCE: 28110/36457CON  
CURRENT APPLICATION NUMBER: US/10/286,926  
CURRENT FILING DATE: 2002-11-01  
PRIOR APPLICATION NUMBER: 09/557,800  
PRIOR FILING DATE: 2000-04-25  
PRIOR APPLICATION NUMBER: 09/481,238  
PRIOR FILING DATE: 2000-01-11  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-08-09  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: 09/350836  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/273447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/122449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/244444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 54  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 405  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-286-926-25

Query Match 93.5%; Score 2104; DB 14; Length 405;  
Best Local Similarity 100.0%; Pred. No. 1.6e-200;  
Matches 400; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 MATSWGTVFFMLVVCVCSAVSHRNQQTWTEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
1 MATSWGTVFFMLVVCVCSAVSHRNQQTWTEGIFLSSMCPINVSASTLYGIMFDAGSTGT 60  
61 RIHYVTVQXMPGQLPILGEVFTSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120  
61 RIHYVTVQXMPGQLPILGEVFTSVKPGLSAFVDQPKQGAETVQGLLEVAKDSIPRSHW 120  
121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180  
121 KPTPVVLKATAGLRLLPEHAKALLFEVKEIFRKSPFLVPKGSVIMDGSDEGILAWTV 180



181 NPLTGLHGRQRTVGTDLGGASTOITFLPOPEKTLQTPRGYLTSPMFNSTYKLYTH 240  
181 NPLTGLHGRQRTVGTDLGGASTOITFLPOPEKTLQTPRGYLTSPMFNSTYKLYTH 240  
241 SYLGFGGLKAARLATLGALETGCTDGHTRFSAACLPRLWLEAEMIFGGVKYQYGGNQGGEVGF 300  
241 SYLGFGGLKAARLATLGALETGCTDGHTRFSAACLPRLWLEAEMIFGGVKYQYGGNQGGEVGF 300  
301 EPCYAEVLVRVVRCKLHPREVQVGSFYASYYVDRAVDTMDIDYKGGILKVEDFERKAR 360  
301 EPCYAEVLVRVVRCKLHPREVQVGSFYASYYVDRAVDTMDIDYKGGILKVEDFERKAR 360  
361 EVCDNLENFTSGSPFLCMDSYITALLKDGFGFADSTVLQ 400  
361 EVCDNLENFTSGSPFLCMDSYITALLKDGFGFADSTVLQ 400

RESULT 14

S-10-231-913-126  
Sequence 126, Application US/102331913  
Publication No. US20040005576A1  
GENERAL INFORMATION:  
APPLICANT: Guo, Xiaojia S.  
APPLICANT: Li, Li  
APPLICANT: Patturajan, Meera  
APPLICANT: Shimkets, Richard A.  
APPLICANT: Casman, Stacie J.  
APPLICANT: Malyankar, Uriel M.  
APPLICANT: Tchernev, Velizar T.  
APPLICANT: Vernet, Corine A.  
APPLICANT: Spytek, Suresh G.  
APPLICANT: Shenoy, Suresh G.  
APPLICANT: Alsobrook II, John P.  
APPLICANT: Edinger, Schlomit  
APPLICANT: Peyman, John A.  
APPLICANT: Stone, David J.  
APPLICANT: Ellerman, Karen  
APPLICANT: Gangolli, Esha A.  
APPLICANT: Boldog, Ference L.  
APPLICANT: Colman, Steven D.  
APPLICANT: Eissen, Andrew J.  
APPLICANT: Liu, Xiaohong  
APPLICANT: Padigaru, Muraidhara  
APPLICANT: Spaderna, Steven K.  
APPLICANT: Zernuelsen, Bryan D.  
TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same  
FILE REFERENCE: 21402-216  
CURRENT APPLICATION NUMBER: US/10/231,913  
CURRENT FILING DATE: 2002-08-30  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/251,660  
PRIOR FILING DATE: 2000-12-06  
PRIOR APPLICATION NUMBER: 60/255,029  
PRIOR FILING DATE: 2000-12-12  
PRIOR APPLICATION NUMBER: 60/260,326  
PRIOR FILING DATE: 2001-01-08  
PRIOR APPLICATION NUMBER: 60/263,800  
PRIOR FILING DATE: 2001-01-24  
PRIOR APPLICATION NUMBER: 60/269,942  
PRIOR FILING DATE: 2001-02-20  
PRIOR APPLICATION NUMBER: 60/286,183  
PRIOR FILING DATE: 2001-04-24  
PRIOR APPLICATION NUMBER: 60/313,627  
PRIOR FILING DATE: 2001-08-20  
PRIOR APPLICATION NUMBER: 60/318,712  
PRIOR FILING DATE: 2001-09-12  
NUMBER OF SEQ ID NOS: 292  
SOFTWARE: PatentIn ver. 2.1  
SEQ ID NO 126  
LENGTH: 427  
TYPE: PRT  
ORGANISM: Mus musculus

IS-10-231-913-126

Query Match 88.6%; Score 1994.5; DB 15; Length 427;  
Best Local Similarity 88.3%; Pred. No. 1.4e-189;  
Matches 377; Conservative 24; Mismatches 25; Indels 1; Gaps 1;  
Qy 1 MATSWGTVPFMLVVCVCSAVSHERNOQTWFEGLFLSSMCPINVSASTLYGIMFDAGSTGT 60  
Db 1 MATSWGAV-FMLIIACVSGSTVFYREQQTWFEGLFLSSMCPINVSAGTFTYGINFDAGSTGT 59  
Qy 61 RIHVYTFVQMPQQLPILGEVDFDSVKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 120  
Db 60 RIHVYTFVQKTAQQLPFLGEBIFDSVKPGLSAFVQPKQGAETVQGLLEVAKDSIPRSHW 119  
Qy 121 KXTPVVLKATAGLRLPEHKAKALLFEVKEIFPKXGPFLLVPKGSVSMDSGSGILAWTV 180  
Db 120 ERTFVVLKATAGLRLPEKQAALLLEVEEIFKNSPFLVPDGSVSMDSGSGILAWTV 179  
Qy 181 NPLTGLHGRQRTVGTDLGGASTOITFLPOPEKTLQTPRGYLTSPMFNSTYKLYTH 240  
Db 180 NPLTGLHGRQRTVGTDLGGASTOITFLPOPEKTLQTPRGYLTSPMFNSTYKLYTH 239  
Qy 241 SYLGFGGLKAARLATLGALETGCTDGHTRFSAACLPRLWLEAEMIFGGVKYQYGGNQGGEVGF 300  
Db 240 SYLGFGGLKAARLATLGALEAKGTGHTFRSACLPRWLEAEMIFGGVKYQYGGNQGGEVGF 299  
Qy 301 EPCYAEVLVRVVRCKLHPREVQVGSFYASYYVDRAVDTMDIDYKGGILKVEDFERKAR 360  
Db 300 EPCYAEVLVRVVRCKLHPREVQVGSFYASYYVDRAVDTMDIDYKGGILKVEDFERKAR 359  
Qy 361 EVCDNLENFTSGSPFLCMDSYITALLKDGFGFADSTVLQTKKVNNIETGALGATFHL 420  
Db 360 EVCDNLSGSSGSPFLCMDSYITALLKDGFGFADSTVLQTKKVNNIETGALGATFHL 419  
Qy 421 LQSLGITS 427  
Db 420 LQSLGIT 426

RESULT 15

US-10-092-063-39  
Sequence 39, Application US/10092063  
Publication No. US20020173005A1  
GENERAL INFORMATION:  
APPLICANT: Mulero, Julio  
APPLICANT: Ford, John  
TITLE OF INVENTION: METHODS AND MATERIALS RELATING TO NOVEL CD39-LIKE POLYPEPTIDES  
FILE REFERENCE: 28110/35908  
CURRENT APPLICATION NUMBER: US/10/092,063  
CURRENT FILING DATE: 2002-03-05  
PRIOR FILING DATE: 2002-01-31  
PRIOR APPLICATION NUMBER: 09/370,265  
PRIOR FILING DATE: 1999-07-16  
PRIOR APPLICATION NUMBER: PCT/US99/16180  
PRIOR FILING DATE: 1999-07-09  
PRIOR APPLICATION NUMBER: 09/350,836  
PRIOR FILING DATE: 1999-07-03  
PRIOR APPLICATION NUMBER: 09/273,447  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: 09/244,444  
PRIOR FILING DATE: 1999-02-04  
PRIOR APPLICATION NUMBER: 09/122,449  
PRIOR FILING DATE: 1998-07-24  
PRIOR APPLICATION NUMBER: 09/118,205  
PRIOR FILING DATE: 1998-07-16  
NUMBER OF SEQ ID NOS: 39  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 39  
LENGTH: 465  
TYPE: PRT  
ORGANISM: Mus musculus  
US-10-092-063-39

Query Match 81.7%; Score 1837.5; DB 13; Length 465;  
Best Local Similarity 84.0%; Pred. No. 7.1e-174;

